

MATERIAL SAFETY DATA SHEET

• Section 1 – PRODUCT IDENTIFICATION

MANUFACTURER'S NAME DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co.	EMERGENCY PHONE NO. 312/438-8241
ADDRESS 300 Genesee St., Lake Zurich, IL 60047	

CHEMICAL NAME AND SYNONYMS
Return line treatment

TRADE NAME OR CODE IDENT.
ECOMEEN

• Section 2 – INGREDIENTS

CAS No.	%	EXPOSURE CRITERIA
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Cyclohexylamine	108-91-8	< 15 TWA: 10 ppm (skin)
Diethylaminoethanol	100-37-8	< 15 TWA: 10 ppm (skin)

NFPA Code: 1-1-0

• Section 3 – PHYSICAL DATA

BOILING POINT, 760mm Hg	N/K	MELTING POINT	N/A
SPECIFIC GRAVITY (H ₂ O = 1)	0.99	VAPOR PRESSURE @ 25 C	23.1 mm Hg
VAPOR DENSITY (AIR = 1)	N/K	SOLUBILITY IN H ₂ O, % BY WT.	complete
% VOLATILES BY VOLUME	100	EVAPORATION RATE, _____ = 1	N/K
APPEARANCE AND ODOR	Pale yellow liquid with a fishy odor		pH
			11.6

• Section 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and Method Used) 141°F. Tag Closed Cup	FLAMMABLE LIMITS in AIR, % by VOLUME LOWER N/K UPPER	AUTO IGNITION TEMPERATURE N/A
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EXTINGUISHING MEDIA ☐ Water Fog ☒ Foam ☒ CO₂ ☒ Dry Chemical ☐ Other

SPECIAL FIRE FIGHTING PROCEDURES

None

UNUSUAL FIRE AND EXPLOSION HAZARD

None

• Section 5 – REACTIVITY DATA

STABILITY (Normal Conditions) <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID None
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INCOMPATIBILITY (Materials to Avoid)

Avoid direct contact with strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

NO_x

HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID None
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MATERIAL SAFETY DATA SHEET (Continued)

• Section 6 -- HEALTH HAZARD INFORMATION

EXPOSURE LIMIT

Dermal LD₅₀ for rabbits is over 1.5 g/kg for product.

EFFECTS OF OVEREXPOSURE

INHALATION Inhalation 3 (Sax). This is a cutback water solution for which inhalation LC₅₀ for rats is estimated over 25,000 ppm for 4 hours. To treat for vapor inhalation remove to adequately ventilated area.

INGESTION If ingested, drink large quantities of milk, egg whites, gelatin solution, or if cheese are not available, drink large amounts of water. Consult a physician.

SKIN OR EYE CONTACT Possible skin sensitizer on prolonged contact. Strong irritant to eyes. If affected, flood with water and consult a physician. If skin is affected, wash with soap and water. Alkaline. Remove contaminated clothing at once and launder before reuse. Concentrated product may cause chemical burns.

EMERGENCY AND FIRST AID PROCEDURES

See above

• Section 7 -- SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Mechanical is usually adequate.

RESPIRATORY PROTECTION (Specify Type)

Bureau of Mines approved vapor respirator may be indicated for extended exposure to the concentrated product. Wilson THGW gas mask has been suggested for similar use.

EYE PROTECTION

Goggles or face shield

GLOVES (Specify Type)

Rubber gloves

OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)

• Section 8 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Use industrial absorbent. Incinerate or use chemical scavenger service. Flush area of spill with water.

WASTE DISPOSAL METHOD

Dispose using authorized scavenger service by incineration or use of designated landfill. For additional disposal instructions, contact your state water pollution control agency. This product is NOT an EPA Hazardous Waste.

• Section 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from open flames. Keep container closed when not in use. Freeze point, 12°F.

OTHER PRECAUTIONS

For industrial use only. Keep out of reach of children.

Shipping Name: DOT NOT RESTRICTED -- Combustible Liquid, N.O.S. NA 1993
IATA

Prepared By W. M. Morris

Date: 6/78 (Rev. 2/85)